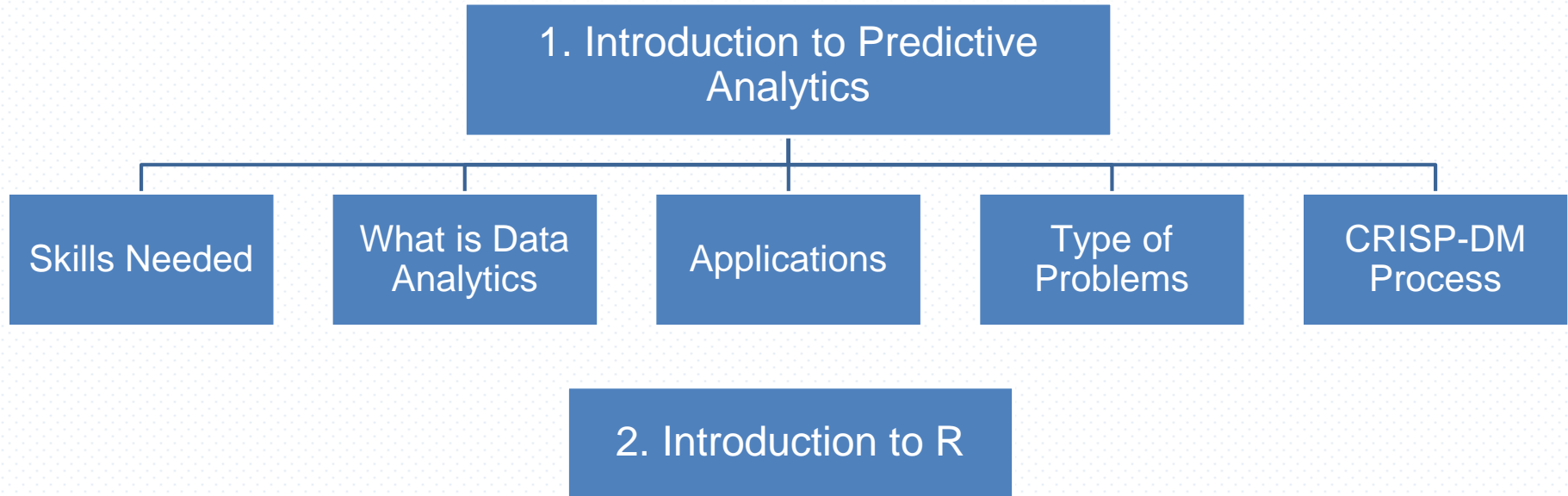




Predictive Analytics Using R and Python

- MUQUAYYAR AHMED
DATA SCIENTIST

We learnt!!



Today's Agenda



Introduction to Python

What is Python??

- General Language
- Python is a high-level, interpreted, interactive and object-oriented scripting language.
- It uses English keywords frequently where as other languages use punctuation, and it has fewer syntactical constructions than other languages.
- Python is a case sensitive programming language.



Major Versions of Python

- “Python” or “CPython” is written in C/C++
 - Version 2.7 came out in mid-2010
 - Version 3.1.2 came out in early 2010
- Jupyter
- Spyder
- Download Python
 - <https://www.continuum.io/downloads>

Data types

Python supports 5 datatypes

- Numbers
- Strings
 - List
 - Tuples
- Dictionaries

Python Libraries

NumPy

SciPy

Matplotlib

Pandas

Scikit Learn

Statsmodels

Seaborn

Bokeh

Blaze

Scrapy

SymPy

Requests

os

BeautifulSoup

NLTK